

Substitute Form PTO-1449  
(Modified)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney's Docket No.  
08213-007001Application No.  
09/423,546
**Information Disclosure Statement  
by Applicant**  
(Use several sheets if necessary)

(37 CFR §1.98(b))

Applicant  
Elliott Bennett-Guerrero et al.Filing Date  
November 12, 1999Group Art Unit  
1645**U.S. Patent Documents**

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
MG	AA	4,416,872	11/22/83	Alving et al.	424	177	359,012
MG	AB	4,789,544	12/6/88	Nelson et al.	424	92	127,492
	AC						

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
MG	AD	WO 92/16624	10/1/92	PCT	C12N	15/13		
MG	AE	WO 87/07148	12/3/87	PCT	A61K	39/116		
MG	AF	WO 92/06709	4/30/92	PCT	A61K	39/02		
MG	AG	WO 93/10216	5/27/93	PCT	A61N	1/36		
MG	AH	WO 95/29662	11/9/95	PCT	A61K			

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
MG	AI	Alving et al., Liposomes as Carriers of Peptide Antigens: Induction of Antibodies and Cytotoxic T Lymphocytes to Conjugated and Unconjugated Peptides, Immunological Reviews, No. 145 pp. 5-31 (1995)
MG	AJ	Antonov et al., Synthesis and Serological Characterization of L-glycero- $\alpha$ -D-manno-heptopyranose-containing di- and tri-saccharides of the non-reducing terminus of the <i>Escherichia coli</i> K-12 LPS core Oligosaccharide, Carbohydrate Research 314:85-93 (1998)
MG	AK	Appelmelk et al., Production and Characterization of Mouse Monoclonal Antibodies Reacting with the lipopolysaccharide Core Region of Gram-Negative Bacilli, J. Med. Microbiol. 26:107-114 (1988)
MG	AL	Aydintug et al., Cross-Reactivity of Monoclonal Antibodies to <i>Escherichia coli</i> J5 with Heterologous Gram-Negative Bacteria and Extracted Lipopolysaccharides, J. Infectious Diseases 160:846-857 (1989)
MG	AM	Bakouche et al., Enhancement of Immunogenicity of Tumour Virus Antigen by Liposomes: The Effect of Lipid Composition, Immunology 58:507-513 (1986)
MG	AN	Bakouche et al., Impairment of Immunogenicity by Antigen Presentation in Liposomes Made from Dimyristoylphosphatidyl-Ethanolamine Linked to the Secretion of Prostaglandins by Macrophages, Eur. J. Immunol. 17:1839-1842 (1987)
MG	AO	Banerji et al., Membrane Lipid Composition Modulates the Binding Specificity of a Monoclonal Antibody Against Liposomes, Biochimica et Biophysica Acta 689:319-326 (1982)

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<i>MW</i>	AP	Barclay, Endogenous Endotoxin-Core Antibody (EndoCAb) as a Marker of Endotoxin Exposure and a Prognostic Indicator: A Review, Bacterial Endotoxins: Lipopolysaccharides From Genes to Therapy, pages 263-272, 1995 Wiley-Liss, Inc.	
<i>MW</i>	AQ	Baumgartner et al., Antibodies to Lipopolysaccharides after Immunization of Humans with the Rough Mutant Escherichia coli J5, J. Infectious Diseases 163:769-772 (1991)	
	AR	<del>Bhattacharjee et al., A Noncovalent Complex Vaccine Prepared with Detoxified Escherichia coli J5 (Re Chemotype) Lipopolysaccharides and Neisseria meningitidis Group B Outer Membrane Protein Produces Protective Antibodies Against Gram-Negative Bacteremia, J. Infectious Diseases 173:1157-1163 (1996)</del> <i>Pages missing</i>	
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<i>MW</i>	AU	Campbell et al., Immunogenicity of 24-Valent Klebsiella Capsular Polysaccharide Vaccine and an Eight-Valent Pseudomonas O-Polysaccharide Conjugate Vaccine Administered to Victims of Actue Trauma, Clinical Infectious Diseases 23:179-181 (1996)	
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<i>MW</i>	AW	Chedid et al., A Proposed Mechanism for Natural Immunity to Enterobacterial Pathogens, J. Immunology 100:292-301 (1968)	
<i>MW</i>	AX	Cohen et al., Double-blind Vaccine-Controlled Randomised Efficacy Trial of an Investigational Shigella sonnei Conjugate Vaccine in Young Adults , The Lancet 349:155-159 (1997)	
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<i>MW</i>	BB	De Padova et al., A Broadly Cross-Protective Monoclonal Antibody Binding to Escherichia coli and Salmonella Lipopolysaccharides, Infection and Immunity 61:3863-3872 (1993)	
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<i>MW</i>	BD	Evans et al., Lipopolysaccharide Heterogeneity in Escherichia coli J5 Variants: Analysis by Flow Cytometry, J. Infectious Diseases 166:803-811 (1992)	
<i>MW</i>	BE	Fagelman et al., Simulated Surgical Wound Infection in Mice, Arch. Surg. 116:761-764 (1981)	
<i>MW</i>	BF	Fricks and Hogle, Cell-Induced Conformational Change in Poliovirus: Externalization of the Amino Terminus of VP1 is Responsible for Liposome Binding, J. Virology 64:1934-1945 (1990)	
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<i>MJ</i>	BI	Gerlier et al., Liposomes as a Tool to Study the Role of Membrane Presentation in the Immunogenicity of a MuLV-Related Tumor Antigen, <i>J. Immunology</i> 131:485-490 (1983)
<i>MJ</i>	BJ	Giardino et al., Characteristics of Systemic Antibody Responses of Nonhuman Primates Following Active Immunization with <i>Porphyromonas gingivalis</i> , <i>Prevotella intermedia</i> and <i>Bacteroides fragilis</i> , <i>Oral Microbiol Immunol</i> 11:79-87 (1996)
<i>MJ</i>	BK	Garnier et al., Enhancement of In Vivo and In Vitro T Cell Response Against Measles Virus Haemagglutinin After its Incorporation into Liposomes: Effect of the Phospholipid Composition, <i>Vaccine</i> 9:340:345 (1991)
<i>MJ</i>	BL	Gerlier et al., Efficient Major Histocompatibility Complex Class II-restricted Presentation of Measles Virus Relies on Hemagglutinin-mediated Targeting to its Cellular Receptor Human CD46 Expressed by Murine B Cells, <i>J. Exp. Med.</i> 179:353-358 (1994)
<i>MJ</i>	BM	Gerlier et al., Induction of Antibody Response to Liposome-Associated Gross-Virus Cell-Surface Antigen (GCSAA) <i>Br. J. Cancer</i> 41:236-242 (1980)
<i>MJ</i>	BN	Dijkstra, Chapter 5: A Comparison of Methods for the Preparation of Lipopolysaccharide-Containing Liposomes, <i>Liposome Technology</i> 2 <sup>nd</sup> Edition, Volume II Entrapment of Drugs and Other Materials, edited by Gregoriadis, CRC Press, London (1993)
<i>MJ</i>	BO	Greisman et al., Experiment Gram-Negative Bacterial Sepsis: Reevaluation of the Ability of Rough Mutant Antisera to Protect Mice (40231), <i>Proceedings of the Society for Experimental Biology and Medicine</i> 158:482-490 (1978)
<i>MJ</i>	BP	Gupta et al., Comparative Immunogenicity of Conjugates Composed of <i>Escherichia coli</i> O111 O-Specific Polysaccharide, Prepared by Treatment with Acetic Acid or Hydrazine, Bound to Tetanus Toxoid by Two Synthetic Schemes, <i>Infection and Immunity</i> 63:2805-2810 (1995)
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<i>MJ</i>	BR	Hodgin et al., Effect of Active and Passive Immunizations with Lipid A and <i>Salmonella Minnesota</i> Re 595 on Gram-Negative Infections in Mice, <i>Infection</i> 4:5-10 (1976)
<i>MJ</i>	BS	Ivanoff et al., Secondary Immune Response to Oral and Nasal Rough Mutant Strains of <i>Salmonella Typhimurium</i> , <i>Ann. Immunol. (Inst. Pasteur)</i> 133:61-70 (1982)
<i>MJ</i>	BT	Jansson et al., Structural Studies on the Hexose Region of the Core in Lipopolysaccharides from Enterobacteriaceae, <i>Eur. J. Biochem.</i> 115:571-577 (1981)
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<i>MW</i>	BZ	Lugowski et al., Characterization and Diagnostic Application of a Lipopolysaccharide Core Oligosaccharide-Protein Conjugate, J. Immunological Methods 95:187-194 (1986)	
<i>MW</i>	CA	Lugowski et al., Immunochemical Characterization of Citrobacter Strain PCM 1487 O-specific Polysaccharide- and Core Oligosaccharide-Protein Conjugates, FEMS Microbiology Immunology 89:201-208 (1992)	
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	CE	<del>Manning et al., Molecular Cloning and Expression in Escherichia coli K-12 of the O Antigens of the Inaba and Ogawa Serotypes of the Vibrio cholerae O1 Lipopolysaccharides and Their Potential for Vaccine Development, Infection and Immunity 53:272-277 (1986)</del>	
<i>MW</i>	CF	Matthay et al., Antibody-Directed Liposomes: Comparison of Various Ligands for Association, Endocytosis, and Drug Delivery, Cancer Research 46:4904-4910 (1986)	
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<i>MW</i>	CR	Peter et al., Limited Protective Effect of Rough Mutant Antisera in Murine <i>Escherichia coli</i> Bacteremia, <i>Infection</i> 10:228-232 (1982)	
<i>MW</i>	CS	Petrov et al., Toxicity and Immunogenicity of <i>Neisseria Meningitidis</i> Lipopolysaccharide Incorporated into Liposomes, <i>Infection and Immunity</i> 60:3897-3903 (1992)	
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<i>MW</i>	CU	Poxton, Review Article: Antibodies to Lipopolysaccharide, <i>J. Immunological Methods</i> 186:1-15 (1995)	
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<i>MW</i>	DD	Shnyra et al., Role of Physical State of <i>Salmonella</i> Lipopolysaccharide in Expression of Biological and Endotoxic Properties, <i>Infection and Immunity</i> 61:5351-5360 (1993)	
<i>MW</i>	DE	Skelly et al., Stimulation of T-Independent Antibody Responses by Hapten-Lipopolysaccharides Without Repeating Polymeric Structure, <i>Infection and Immunity</i> 23:287-293 (1979)	
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<i>MW</i>	DM	Svenson et al., Immunochemistry of Salmonella O-Antigens: Preparation of an Octasaccharide-Bovine Serum Albumin Immunogen Representative of Salmonella Serogroup B O-Antigen and Characterization of the Antibody Response, J. Immunology 120:1750-1757 (1978)
<i>MW</i>	DN	Suzuki et al., Direct Extraction of A and B Blood Group Antigens from Human Red Cells by Liposomes, Transfusion 36:966-968 (1996)
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<i>MW</i>	DW	Wilson et al., Evidence for Different Requirements in Physical State for the Interaction of Lipopolysaccharides with the Classical and Alternative Pathways of Complement, Eur. J. Biochem. 128:137-141 (1982)
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<i>MW</i>	DY	Ziegler et al., Treatment of Gram-negative Bacteremia and Shock with Human Antiserum to a Mutant Escherichia coli, N. Engl. J. Med. 307:1225-1230 (1982)

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